

Attorney Docket: 27681U

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U.S. Department Of Commerce, Patent And Trademark Office		Date: 22 September 2006 (22.09.2006)
Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371		U.S. Application No.: (if known) Not Yet Assigned 10/593900
International Application No.: PCT/KR2005/000889	International Filing Date: 25 March 2005 (25.03.2005)	Priority Date Claimed: 25 March 2004 (25.03. 2004)
Title of Invention: DETECTION METHOD OF DNA AMPLIFICATION USING PROBE LABELED WITH INTERCALATING DYE		
Applicants for DO/EO/US: PARK, Han Oh; KIM, Hyun Bae ; CHI, Sung Min		
<p>Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <p>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A English translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>ITEMS 11 to 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter2 and 35 USC 1821 - 1825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4)</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</p> <p>20. <input checked="" type="checkbox"/> Other items or information: TRANSMITTAL LETTER; INTERNATIONAL PUBLICATION NUMBER: WO 2006/004267 A1; WITH INTERNATIONAL SEARCH REPORT (FORM PCT/ISA/210); INTERNATIONAL PUBLICATION DATE: 12 JANUARY 2006 (12.01.2006), WHICH CONSISTS OF 65 PAGES: 1 PAGE FOR THE COVER SHEET, 46 PAGES OF TEXTUAL SPECIFICATION, 9 PAGES OF 34 CLAIMS, 9 SHEETS OF DRAWINGS; EXECUTED DECLARATION AND POWER OF ATTORNEY; EXECUTED ASSIGNMENT WITH RECORDATION COVER SHEET TO: BIONEER CORPORATION, DAEDEOK-GU, DAEJEON 306-220, REPUBLIC OF KOREA; POSTCARD FOR EARLY NOTIFICATION OF THE SERIAL NUMBER REQUEST.</p>		

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<p>The following fees are submitted:</p> <p>21. Basic National Fee (37 CFR 1.492(a)) \$ 300.00</p> <p>22. Examination Fee (37 CFR 1.492 (c)) If the written opinion prepared by ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ 0.00 All other situations \$ 200.00</p> <p>23. Search Fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ 0.00 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$ 100.00 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$ 400.00 All other situations \$ 500.00</p> <p>— Additional fee for specification and drawings filed in paper over 100 sheets (excluding Sequence listing or computer program listing filed in an electronic medium). The fee is \$ 250.00 for each additional 50 sheets of paper or fraction thereof.</p> <p>ENTER APPROPRIATE BASIC FEE AMOUNT =</p>		CALCULATIONS	PTO USE ONLY																																																																								
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<table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER: FILED</th> <th>NUMBER: EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td>34-20=</td> <td>14</td> <td>X \$ 50.00</td> </tr> <tr> <td>INDEPENDENT</td> <td>7-3=</td> <td>4</td> <td>X \$ 200.00</td> </tr> <tr> <td colspan="2">Multiple dependent claims(s) (if applicable)</td> <td></td> <td>+ \$360.00</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="4">\$ 2,400.00</td> </tr> <tr> <td colspan="4">Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).</td> </tr> <tr> <td colspan="4">\$ 1,200.00</td> </tr> <tr> <td colspan="4">SUBTOTAL =</td> </tr> <tr> <td colspan="4">\$ 1,200.00</td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than <u>20</u> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +</td> </tr> <tr> <td colspan="4">TOTAL NATIONAL FEE =</td> </tr> <tr> <td colspan="4">\$ 1,200.00</td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +</td> </tr> <tr> <td colspan="4">TOTAL FEES ENCLOSED =</td> </tr> <tr> <td colspan="4">\$ 1,240.00</td> </tr> <tr> <td colspan="4">Amount to be: refunded charged</td> </tr> <tr> <td colspan="4">\$</td> </tr> </tbody> </table>				CLAIMS	NUMBER: FILED	NUMBER: EXTRA	RATE	TOTAL	34-20=	14	X \$ 50.00	INDEPENDENT	7-3=	4	X \$ 200.00	Multiple dependent claims(s) (if applicable)			+ \$360.00	TOTAL OF ABOVE CALCULATIONS =				\$ 2,400.00				Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).				\$ 1,200.00				SUBTOTAL =				\$ 1,200.00				Processing fee of \$130.00 for furnishing the English translation later than <u>20</u> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +				TOTAL NATIONAL FEE =				\$ 1,200.00				Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				TOTAL FEES ENCLOSED =				\$ 1,240.00				Amount to be: refunded charged				\$			
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(if known) *Net Yet Assigned*
T6132290

International
Application Number:
PCT/KR2005/000889

Date: 22 September 2006
(22.09.2006)

- a. One check in the amount of \$ 1,240.00 to cover the above fees is enclosed.
- b. Please charge my Deposit Account Number: 14-0112 in the amount of \$ _____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)
- c. The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account Number: 14-0112.
- d. Fees are to be charged to a credit card _____. WARNING: Information on this form may become public _____. Credit Card Information should not be included on this form.
_____. Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

Send All Correspondence To:

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Alexandria, VA 22314
Tel: 1-703-548-6284
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Customer No. 20529

10/593900

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 Attorney Docket: 27681U
 Date: September 22, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
 PARK et al.

Serial No.: Not Yet Assigned

Filed: September 22, 2006

Internat'l. Application No.: PCT/KR2005/000889

Internat'l. Filing Date: 25 March 2005 (25.03.2005)

Title: **DETECTION METHOD OF DNA AMPLIFICATION USING PROBE LABELED WITH
 INTERCALATING DYE**

TRANSMITTAL LETTER

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- 1) Transmittal Letter;
- 2) Transmittal Letter to U.S. Designated/Elected Office (DO/EO/US) Concerning Filing under 35 U.S.C. 371;
- 3) International Publication Number: WO 2006/004267 A1; with International Search Report (Form PCT/ISA/210), International Publication Date: 12 January 2006 (12.01.2006), which consists of 65 pages:
 - 1 page for the Cover Sheet,
 - 46 pages of Textual Specification,
 - 9 pages of 34 Claims,
 - 9 sheets of Drawings;
- 4) Executed Declaration and Power of Attorney;
- 5) Executed Assignment with Recordation cover sheet to: **BIONEER CORPORATION**, Daedeok-gu, Daejeon 306-220, REPUBLIC OF KOREA;
- 6) Check No.: 7887 in the Amount of \$ 1,240.00 for the Basic Filing Fee, Search and Examination Fees (\$450.00), 14 claims in excess of 20 (\$350.00), 4 independent claims in excess of 3 (\$400.00), and Fee for Recordation of the Assignment (\$40), as a Small Entity;
- 7) Postcard for Early Notification of the Serial Number Request.

Respectfully submitted,
NATH & ASSOCIATES PLLC


 Gary M. Nath, Reg. No. 26,965
 Tanya E. Harkins, Reg. No. 52,993
 Customer No. 20529